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engineering mathematics ii

unlike most engineering maths texts this book does not assume a firm grasp of gcse maths and unlike low level general maths texts the content is tailored specifically for the needs of engineers the result is a unique book written for engineering students which takes a starting point below gcse level basic engineering mathematics is therefore ideal for students of a wide range of abilities and especially for those who find the theoretical side of mathematics difficult all students taking vocational engineering courses who require fundamental knowledge of mathematics for engineering and do not have prior knowledge beyond basic school mathematics will find this book essential reading the content has been designed primarily to meet the needs of students studying level 2 courses including gcse engineering and intermediate gnvq and is matched to btec first specifications however level 3 students will also find this text to be a useful resource for getting to grips with the essential mathematics concepts needed for their study as the compulsory topics required in btec national and avce a level courses are also addressed the fourth edition incorporates new material on adding waveforms graphs with logarithmic scales and inequalities key topics needed for gcse and level 2 study john bird s approach is based on numerous worked examples supported by 600 worked problems followed by 1050 further problems within exercises included throughout the text in addition 15 assignments are included at regular intervals ideal for use as tests or homework full solutions to the assignments are supplied in the accompanying instructor s manual available as a free download for lecturers from textbooks elsevier com

this is the sixteenth edition of the book engineering mathematics i the earlier editions have received positive response from the teachers and the students this textbook has been written conferring to the revised syllabus r19 of first year first semester of b tech students of jntu anantapur in this edition some topics have been updated the previous question paper problems have been included at appropriate places for the benefit of the students the previous gate questions have been included at the end of each chapter the topics has been made as simple as possible and in some instances detailed explanation

this book has been thoroughly revised according to the new syllabus of uttar pradesh technical university uptu lucknow for b e b tech b arch students for second semester of all engineering colleges of uttar pradesh technical university uptu lucknow

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engineering mathematics covers the four mathematics papers that are offered to undergraduate students of engineering with an emphasis on problem solving techniques and engineering applications as well as detailed explanations of the mathematical concepts this book will give the students a complete grasp of the mathematical skills that are needed by engineers

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